

S
622.33
L3muv
V.2

STATE DOCUMENTS

NOV 23 1973

MONTANA STRIP MINING PERMIT APPLICATION

by

WESTERN ENERGY COMPANY

OCTOBER 15, 1973

Volume 2

Prepared for Western Energy Company
by
Westinghouse Environmental Systems Department
Box 1899
Pittsburgh, Pennsylvania 15230

MONTANA STRIP MINING
930 East Lyndale Avenue
Helena, Montana 59601

OCLC 930767658



3 0864 1006 7235 4

DATE DUE

REC MAR 20 '74

1980 DEC 8 '74

JAN 22 '75

S/622.33/L3mw/v.2
Westinghouse Environmental Systems
Department
Montana strip mining permit
application by Western Energy Company

THE SIGHTS

930 East Lyndale Avenue
Helena, Montana 59601

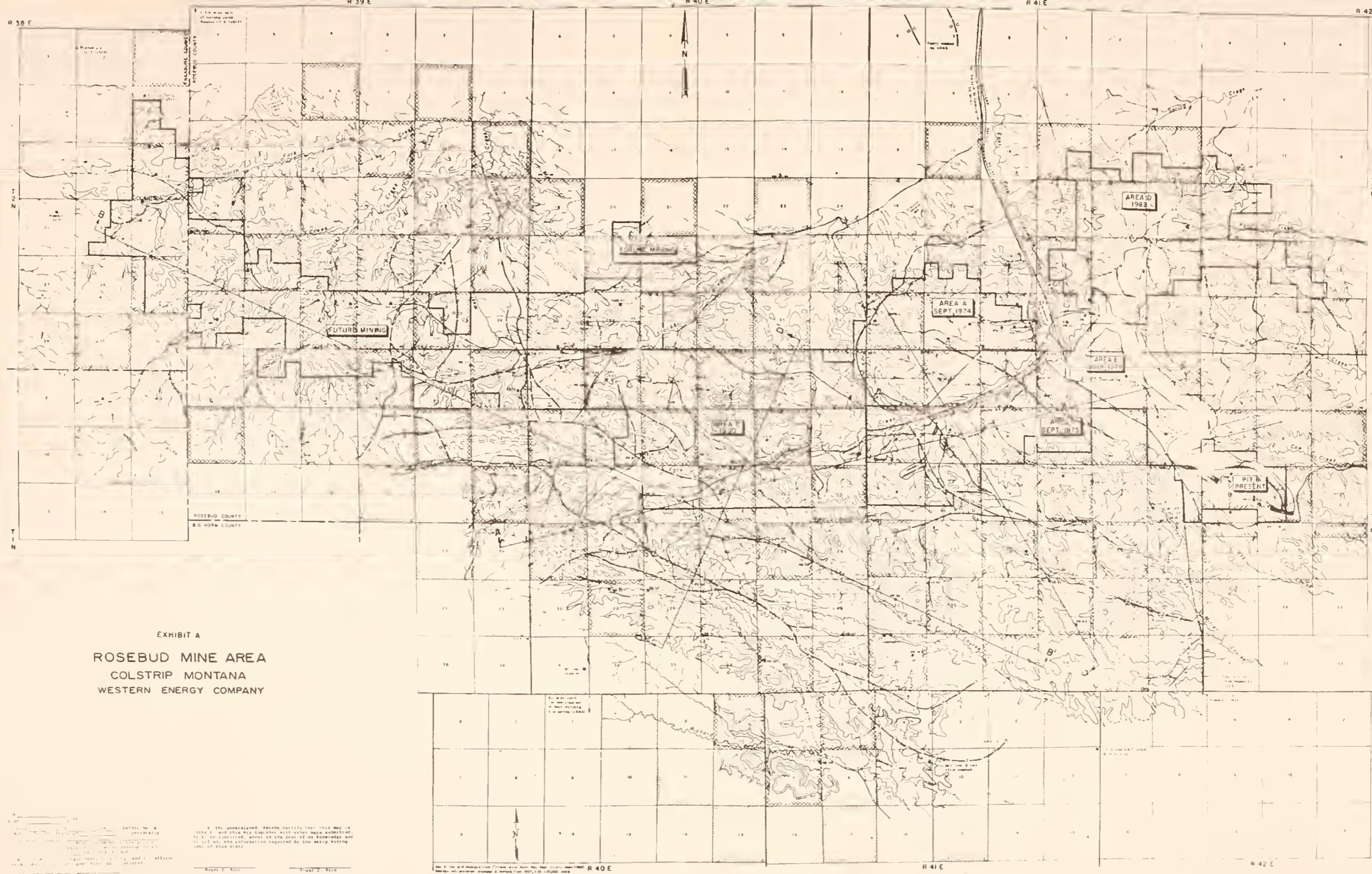


EXHIBIT A

ROSEBUD MINE AREA
COLSTRIP MONTANA
WESTERN ENERGY COMPANY

I, the undersigned, hereby certify that this map is
correct and this copy together with other maps submitted,
it will be submitted, show as the best of my knowledge and
belief at the information required by the existing statute
law of this State.

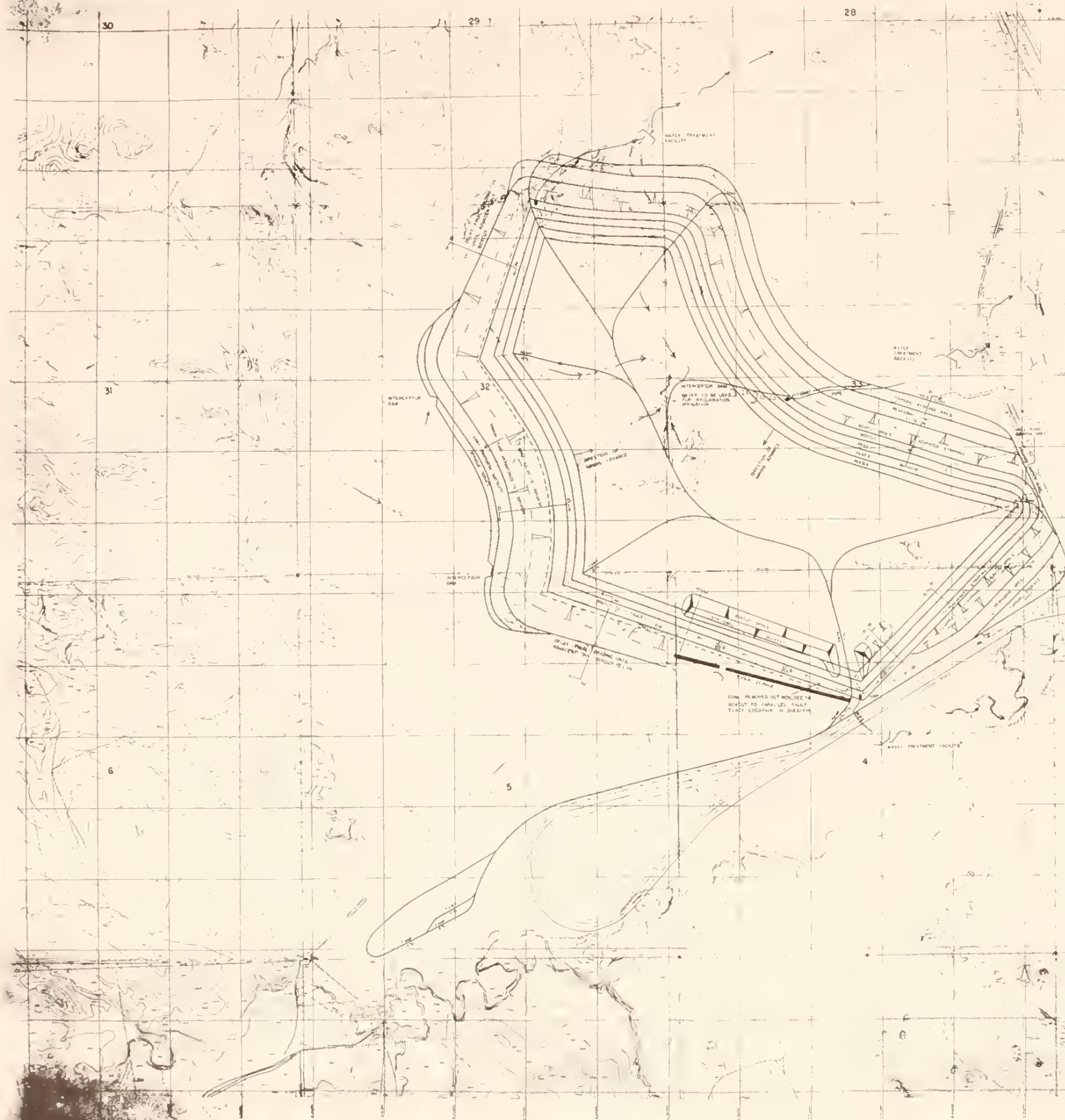
This is a topographic map of a coastal area. The map is overlaid with a grid of horizontal and vertical lines. A north arrow is located in the bottom-left corner. The map shows contour lines representing elevation, with a prominent line labeled 'RICO' running diagonally. The bottom of the map features a label '840 F'.

A topographic map showing contour lines and a grid. The map is bounded by R 41 E on the left and R 42 E on the right. A vertical line labeled '7' is present in the center-left. A scale bar indicates distances from 0 to 10 miles. A north arrow is located in the upper right quadrant.

A faint, out-of-focus background image of a stack of books, creating a scholarly or historical atmosphere.

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https://archive.org/details/montanastripmin1973west_0



MINING PLAN
AREA A-1
ROSEBUD MINE

WESTERN ENERGY COMPANY
SCALE 1:400' JUNE 1973

MOVING TO ADVANCE TOWARD CENTER OF AREA IN SPIRAL LEAVING NO MEDIUM
DEBRIS AHEAD WHICH MAY BE REQUIRED TO COMPLETE BOAT
OUTSIDE SLOPE OF OUTCAST BOAT'S BOWS TO BE REGRADED CONCURRENT
WITH REMOVAL OF STABILIZER. INCAST BOAT'S BOWS TO BE REGRADED UPON FINAL
REMOVAL OF STABILIZER UPON WHICH THEY ARE PLACED. ALL BOAT GRADING TO BE
S/4 OR LESS. ESTIMATED COST OF REGRAVELING GRADES MORE, PLANTING &
RE-VEGETATION \$71 PER ACRE.

WASTE OR REFUSE TO BE BURIED ABOVE OTHER TABLE AS MINING ADVANCES AND LOCATION WILL VARY

→ → DRAINAGE ON AND AWAY FROM AREA AFFECTED
TOTAL AREA AFFECTED 963 ACRES AREA OF COAL TSB ACRES

AREA LIFE TO YR. FIRST 9 PASSES - 9.2 YR
RESERVES 28,000,000 TONS AT 94% RECOVERY

1974 460,000 TON AREA AFFECTED

1974 FINAL GRADING PLANTED SPRING 1975
10 ACRES TO 45 GALLON TUBES

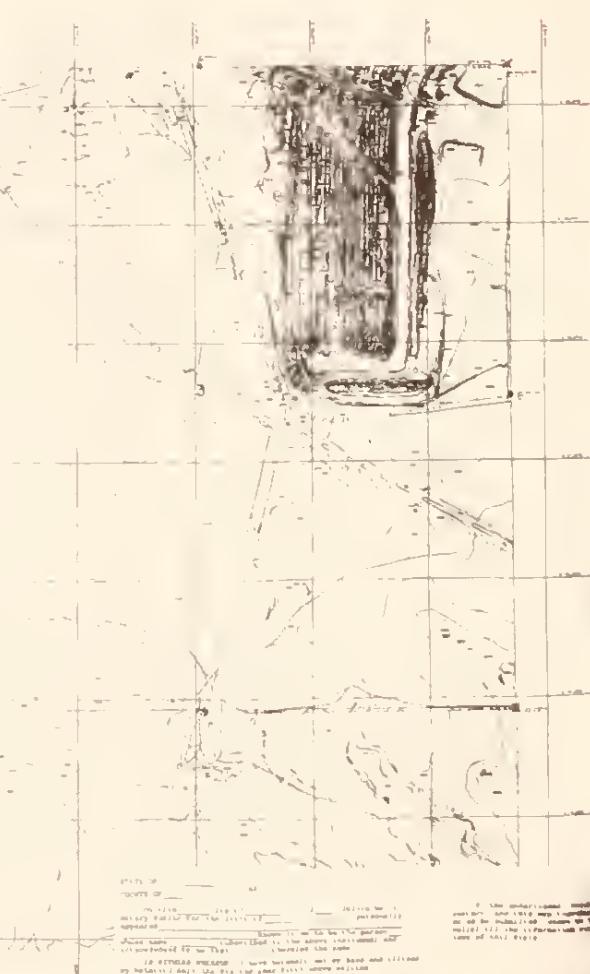
37 SERIES TO BE COMPLETED

• PIT SWAPS PUMP WATER TO RECLAMATION IRRIGATION
INDICATED WATER QUALITY TESTED AT SWAMP TO DETERMINE

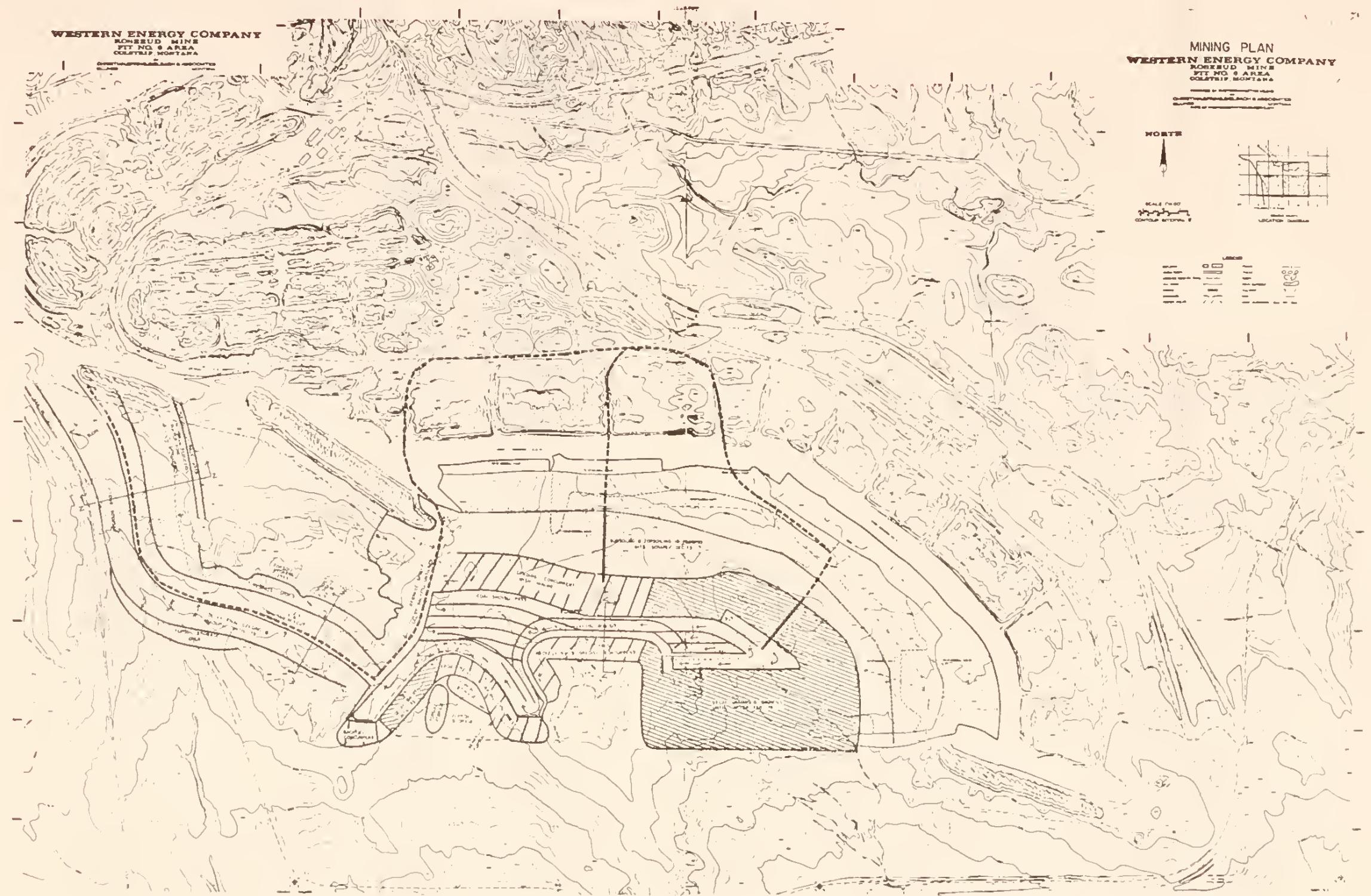
TREATMENT FACILITIES REQUIRED IF ANY

INTERCEPTOR DAMS

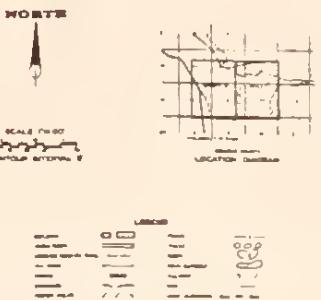
WATER TREATMENT (AS PER ASICS SPEC) WITH 24" C.M.P. OVERFLOW DECANTER
ROTATION DAM



WESTERN ENERGY COMPANY
ROSEBUD MINE
PIT NO. 8 AREA
COLTERSP, MONTANA



MINING PLAN
WESTERN ENERGY COMPANY
ROSEBUD MINE
PIT NO. 8 AREA
COLTERSP, MONTANA



AREA E
ROSEBUD MINE
COLSTRIP, MONT.
WESTERN ENERGY

AREA E
ROSEBUD MINE
COLSTRIP, MONT.
WESTERN ENERGY

WESTERN ENERGY

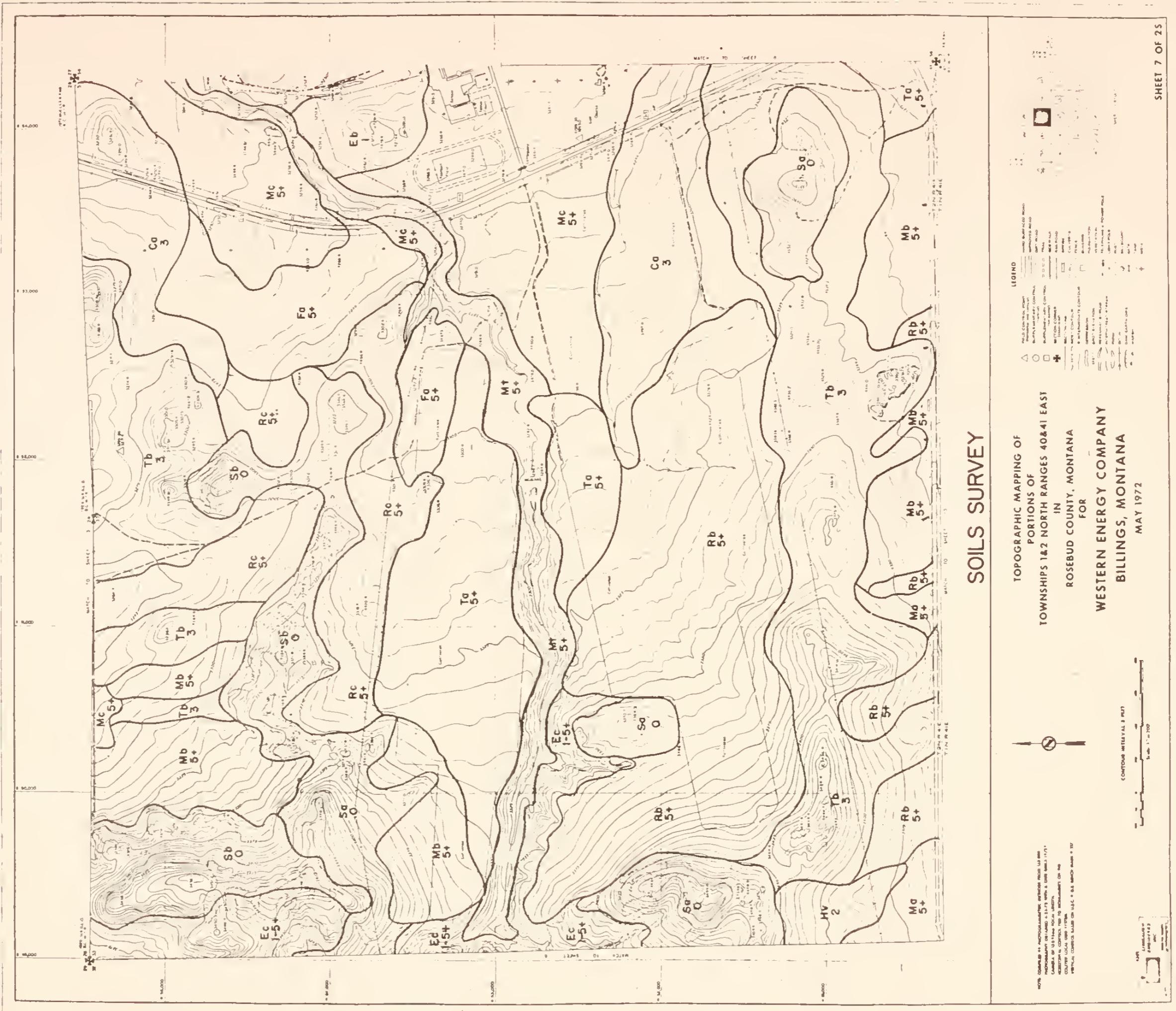
MINING PLAN
E-1 & E-2

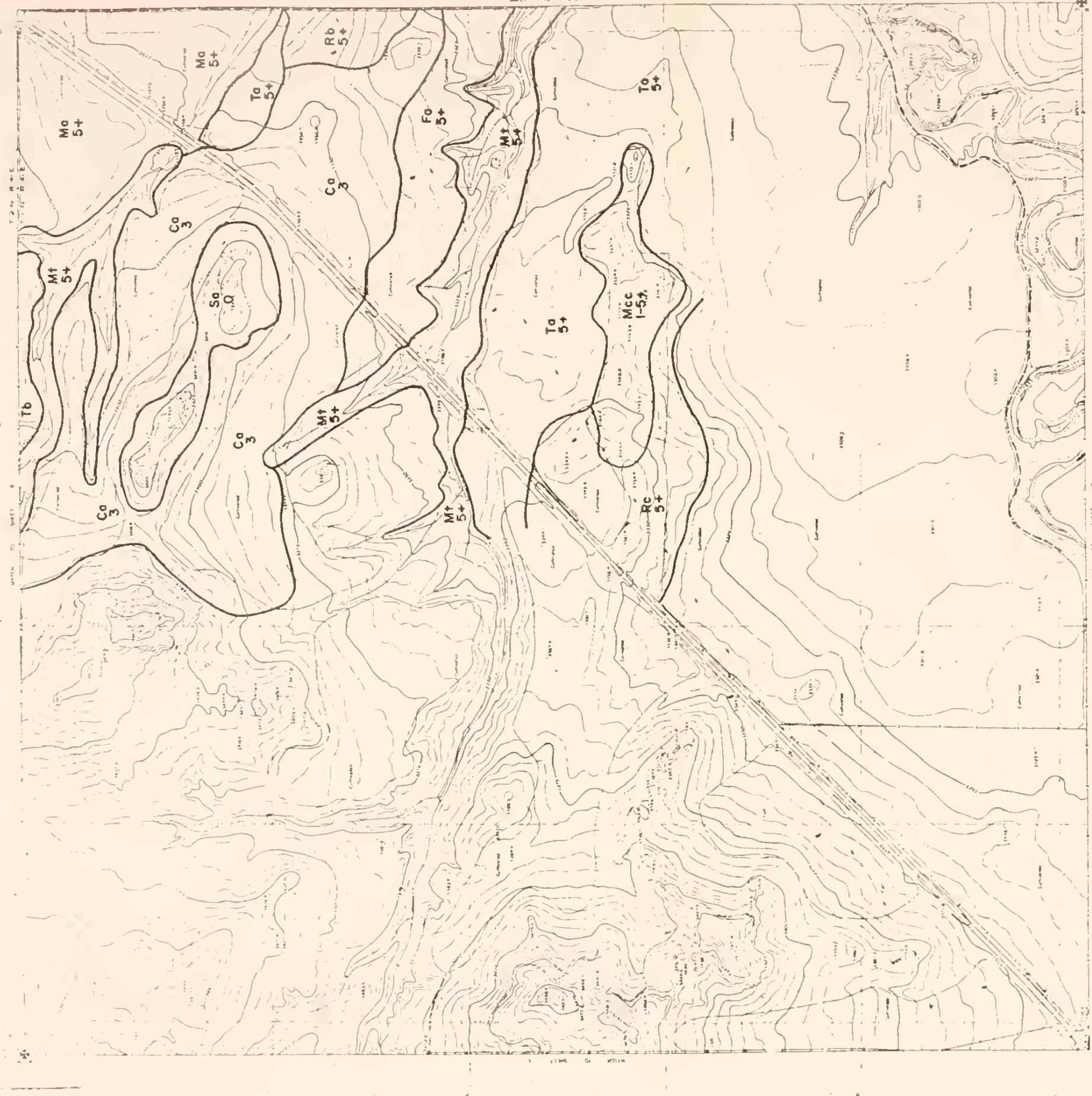
AREA E
ROSEBUD MINE
COLSTRIP, MONT.
WESTERN ENERGY

Mining Plan
E-1 & E-2

On this map is shown a portion of the State of Montana, including a portion of the Rosebud Mine area. This map is for the use of the State of Montana and is subject to the laws of the State of Montana. It is intended to be used in conjunction with other maps compiled by the State of Montana, either in the form of my knowledge and belief or in the form of the information required by the strip mining laws of this state.

MINING PLAN
E-1 & E-2



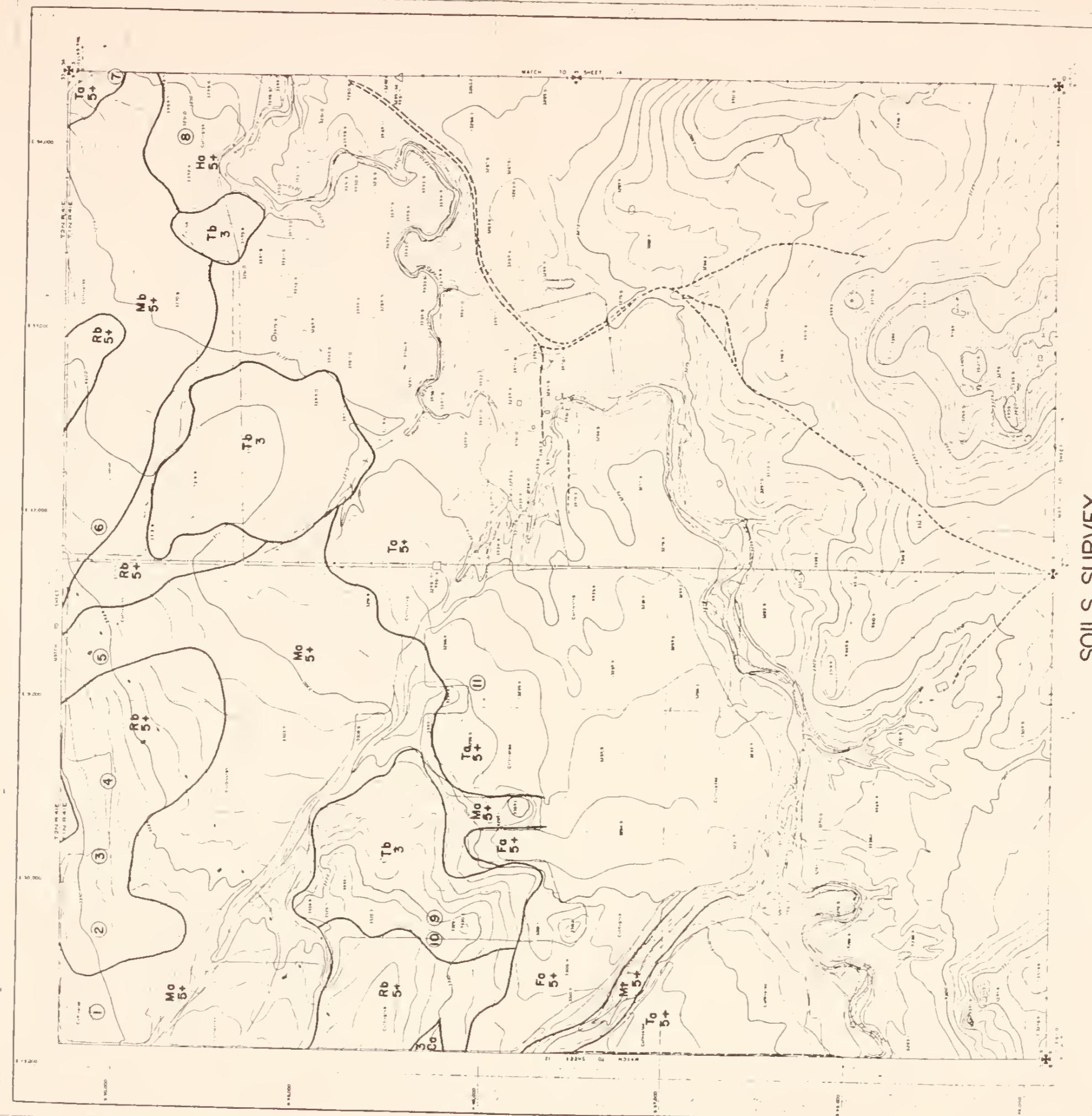


SOILS SURVEY

TOPOGRAPHIC MAPPING OF
PORTIONS OF
TOWNSHIPS 1&2 NORTH RANGES 40&41 EAST
IN
ROSEBUD COUNTY, MONTANA
FOR
WESTERN ENERGY COMPANY
BILLINGS, MONTANA
MAY 1972

1. The use of the term "commercial" in this section means the use of the term "commercial" in section 101 of the Small Business Job Protection Act of 1996, as such term is defined in section 3(1) of the Small Business Job Protection Act of 1996.

SHEET 12 OF 2



SOILS SURVEY

TOPOGRAPHIC MAPPING OF
PORTIONS OF
OWNERSHIPS 1&2 NORTH RANGES 40&41 EAST
IN
ROSEBUD COUNTY, MONTANA
FOR
WESTERN ENERGY COMPANY
BILLINGS, MONTANA
MAY 1972

SHEET 13 OF 25

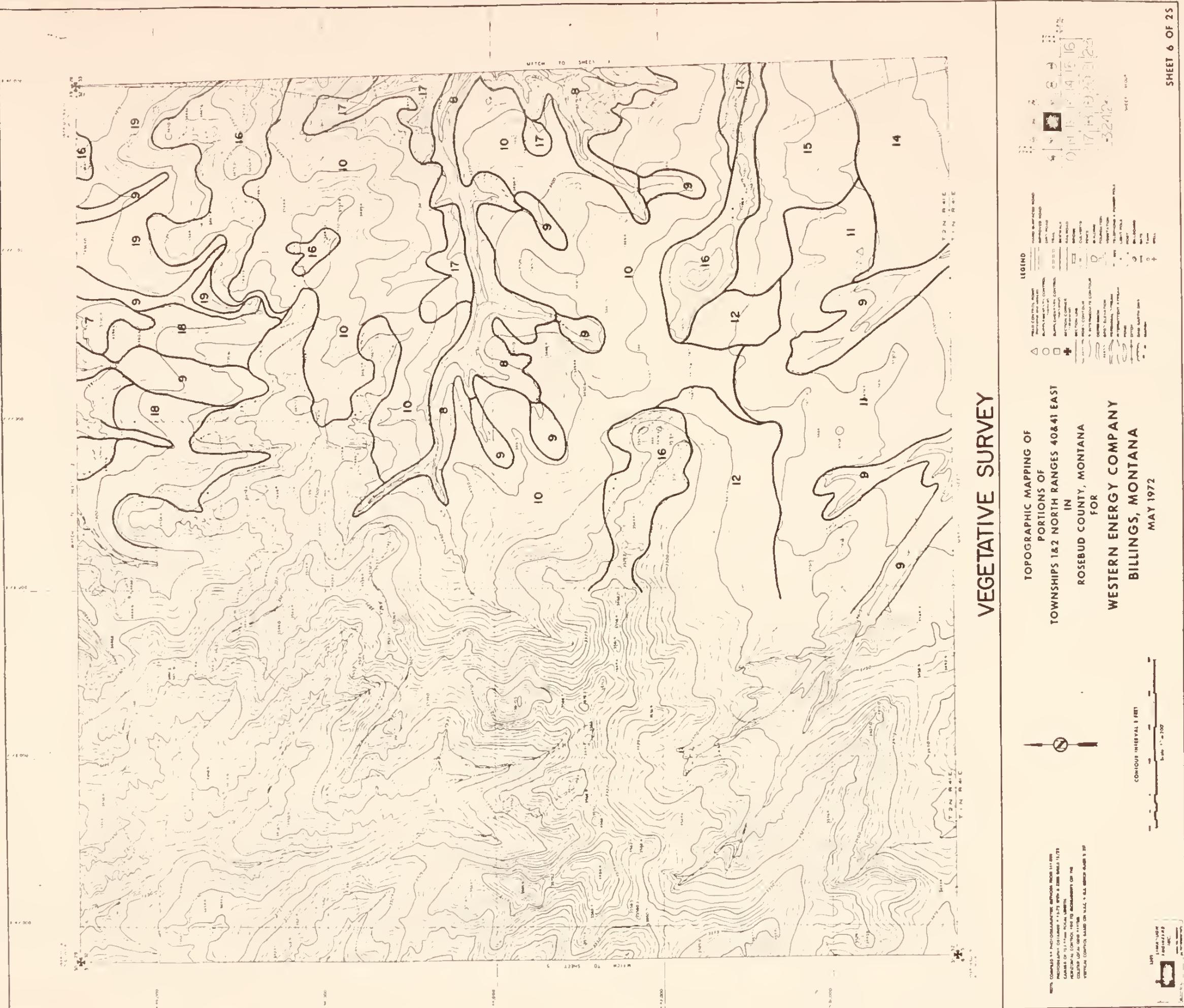
WESTERN ENERGY COMPANY
ROSEBUD MINE
PIT NO. 6 AREA
COLSTRIP, MONTANA
CHRISTIANSEN, BIELEFACH & ASSOCIATES
BILTMORE

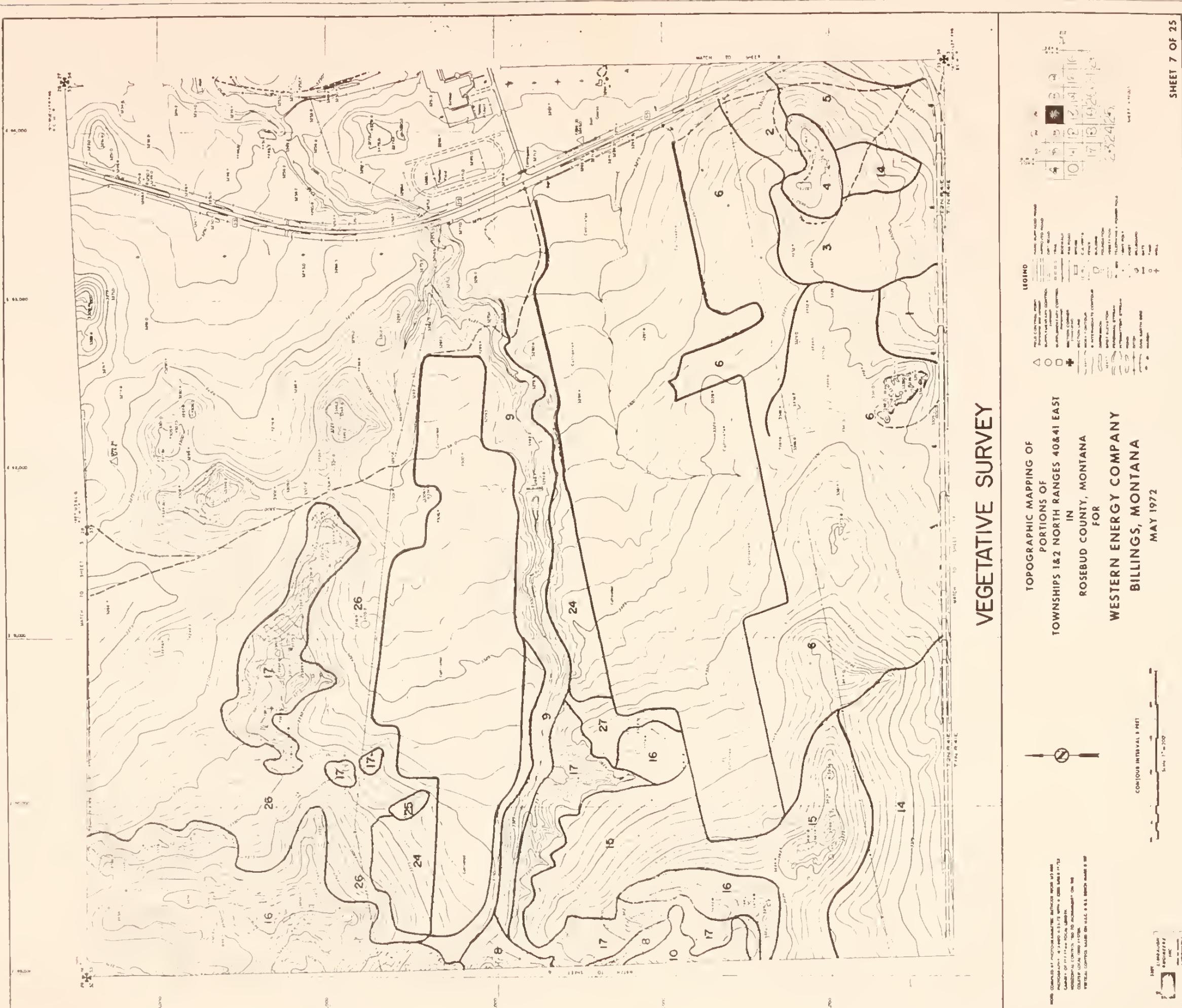
SOILS SURVEY

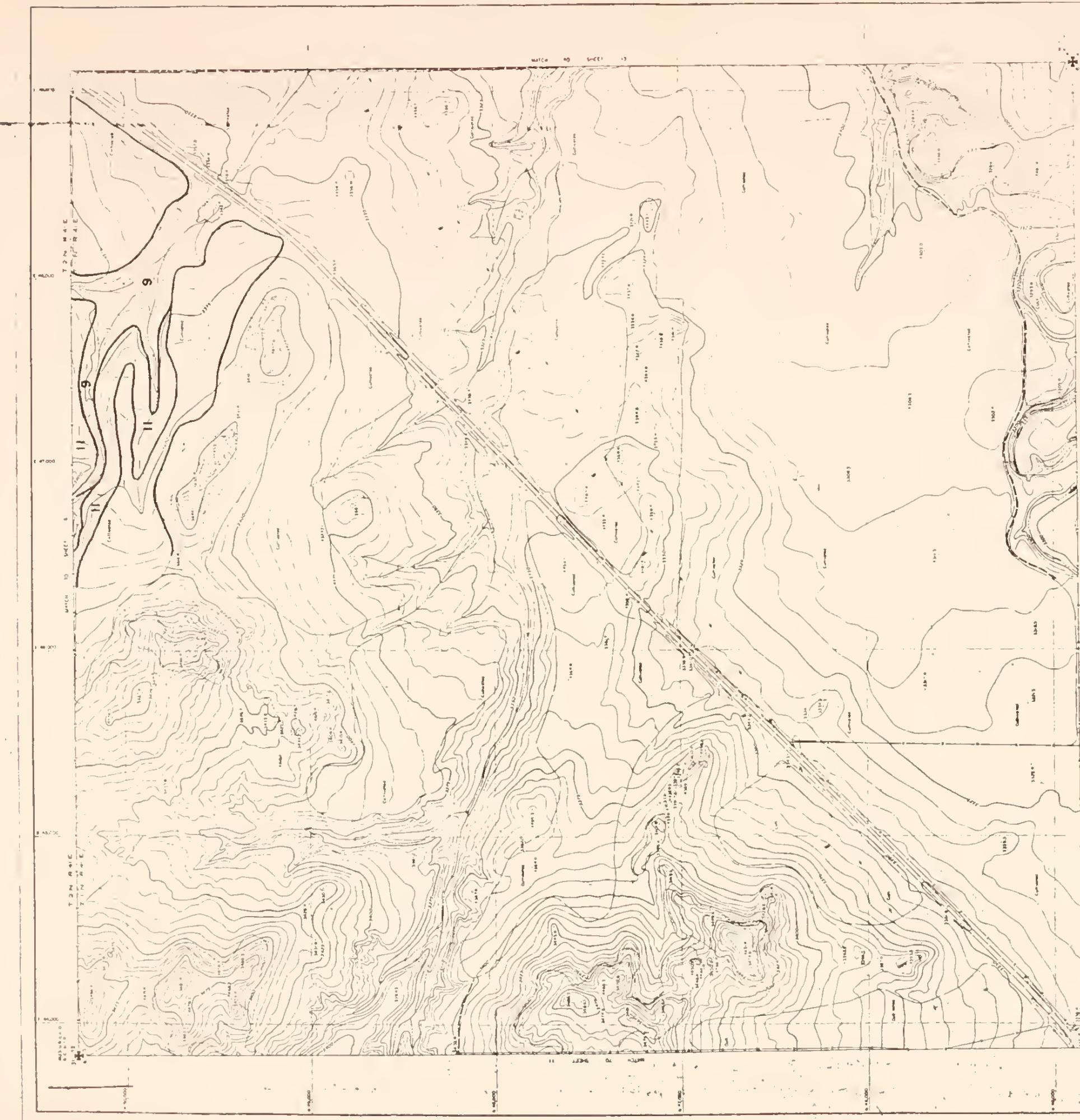


AREA E
ROSEBUD MINE
ERN ENERGY COMPANY
SCALE 1:200

SOILS SURVEY







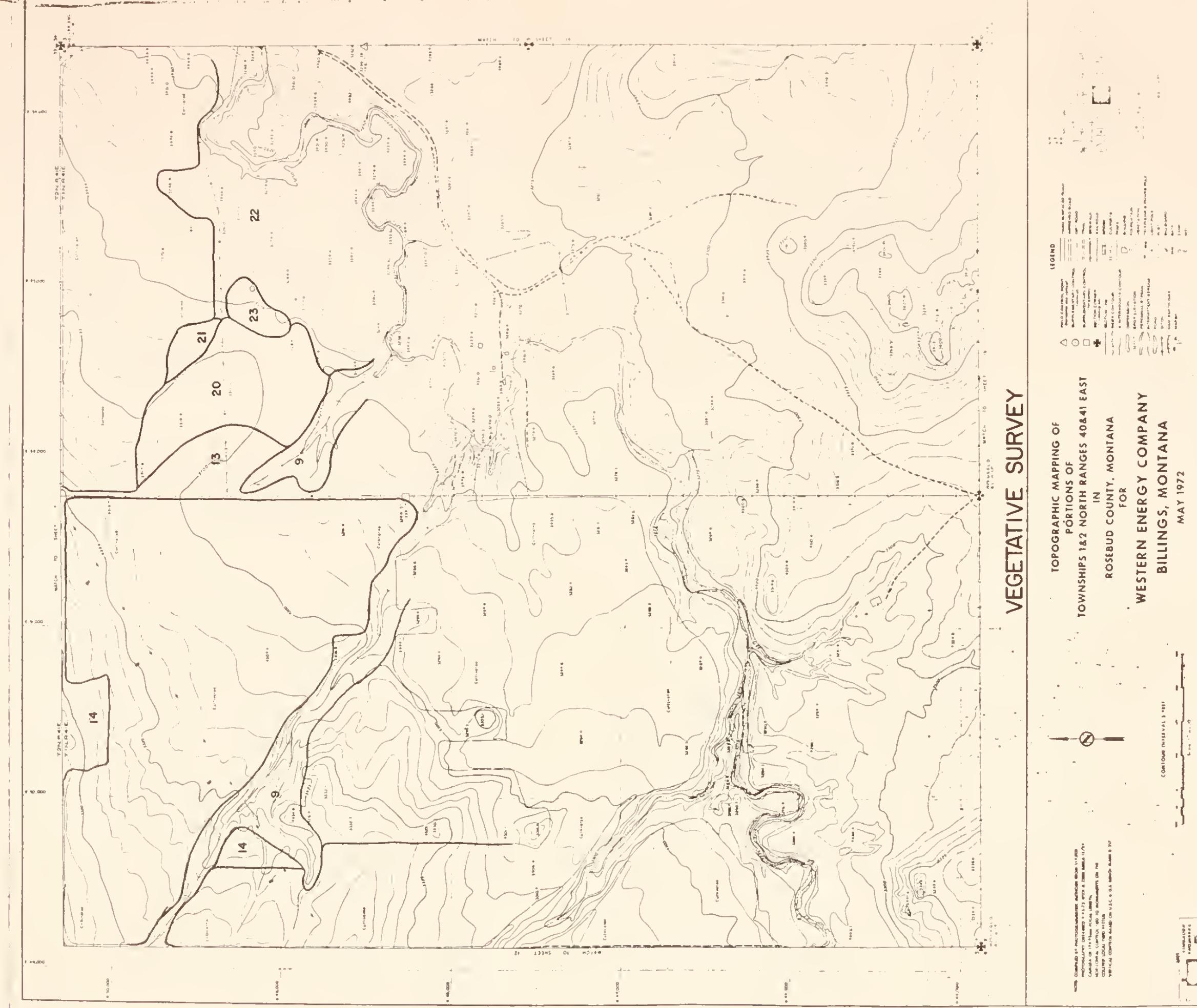
VEGETATIVE SURVEY

TOPOGRAPHIC MAPPING OF
PORTIONS OF
TOWNSHIPS 14 & 15 NORTH RANGES 40 & 41 EAST
IN
ROSEBUD COUNTY, MONTANA
FOR
WESTERN ENERGY COMPANY
BILLINGS, MONTANA
MAY 1972

1000 COPIES BY PHOTOSTATIC ENTHOGRAPHIC PROCESS
PHOTOGRAPH OF LAMO 5171 WITH 4000 LUMENS 47-71
LAMO 5111 THE SOLO LIGHT
MAGNETIC CONTROL UNIT TO AUTOMATIC CONTROL
MAGNETIC CONTROL UNIT
VIA 16 CHANNELS ON W.L.C. & R.S. MARCH 2000 4 17

SHEET 203

MAY 1972



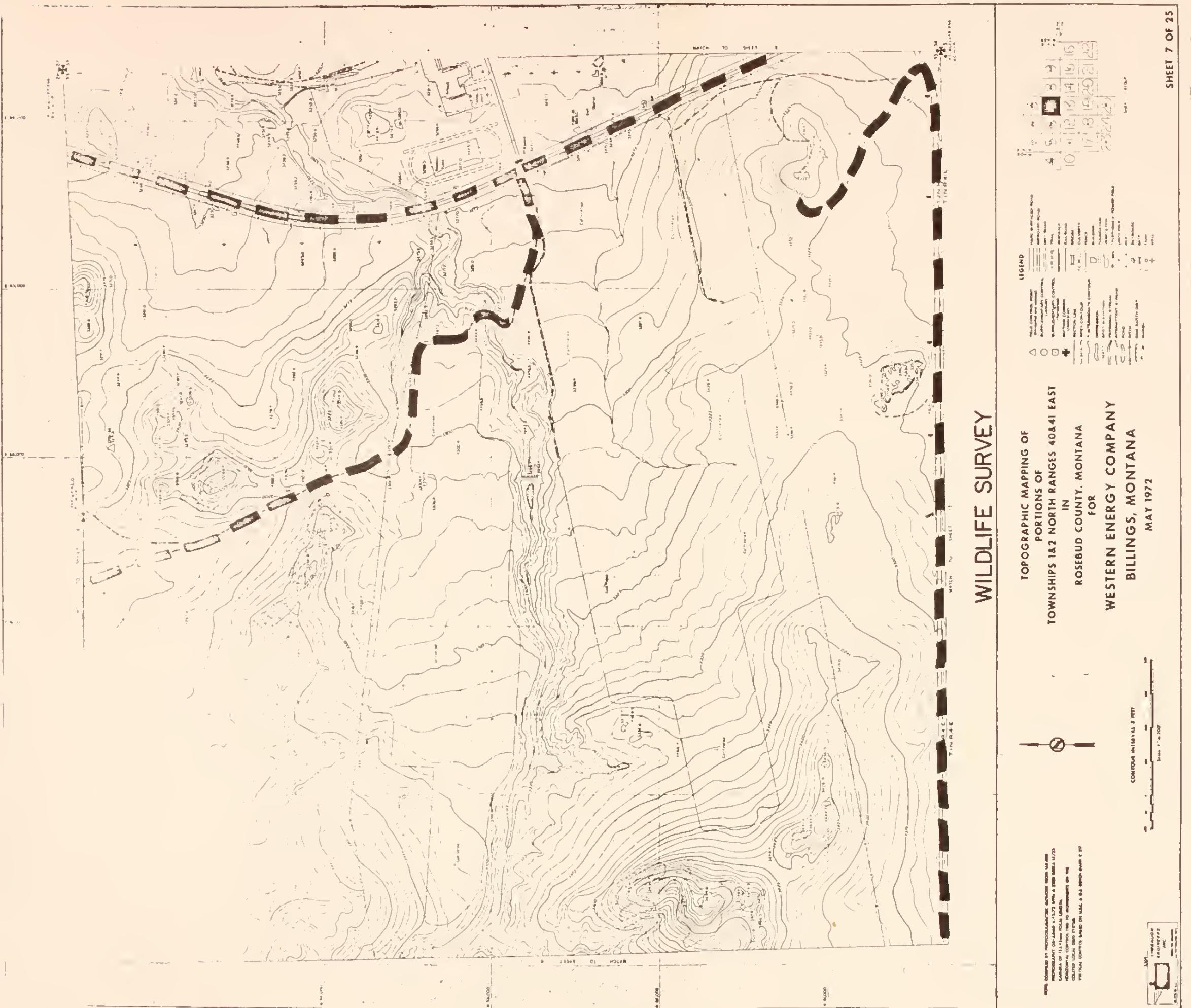
WESTERN ENERGY COMPANY
ROSEBUD MINE
PIT NO. 6 AREA
COLstrip, MONTANA

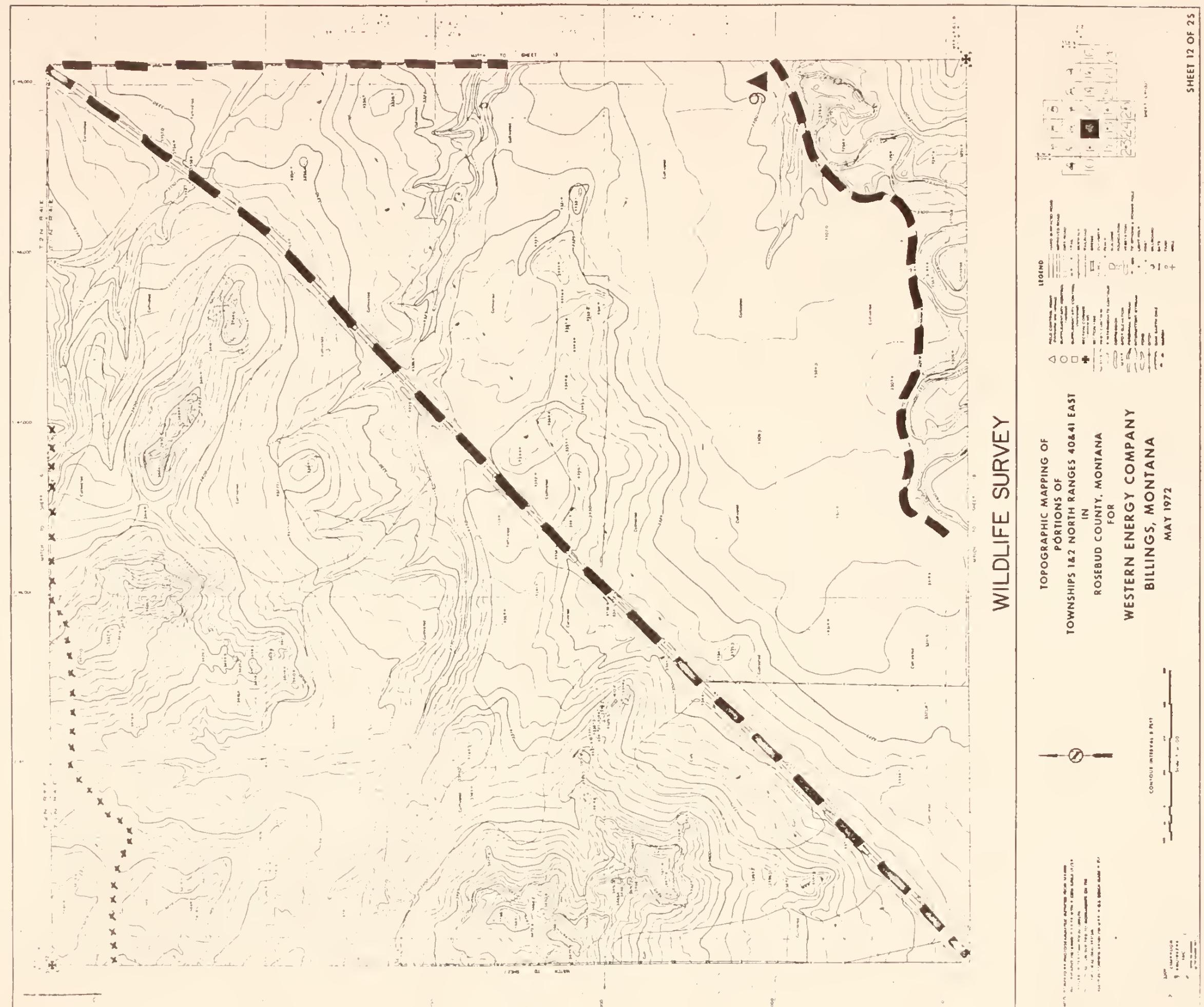
CHARTS PREPARED BY LACH & ASSOCIATES
ILLINOIS



AREA E
ROSEBUD MINE
WESTERN ENERGY COMPANY
SCALE 1:2000

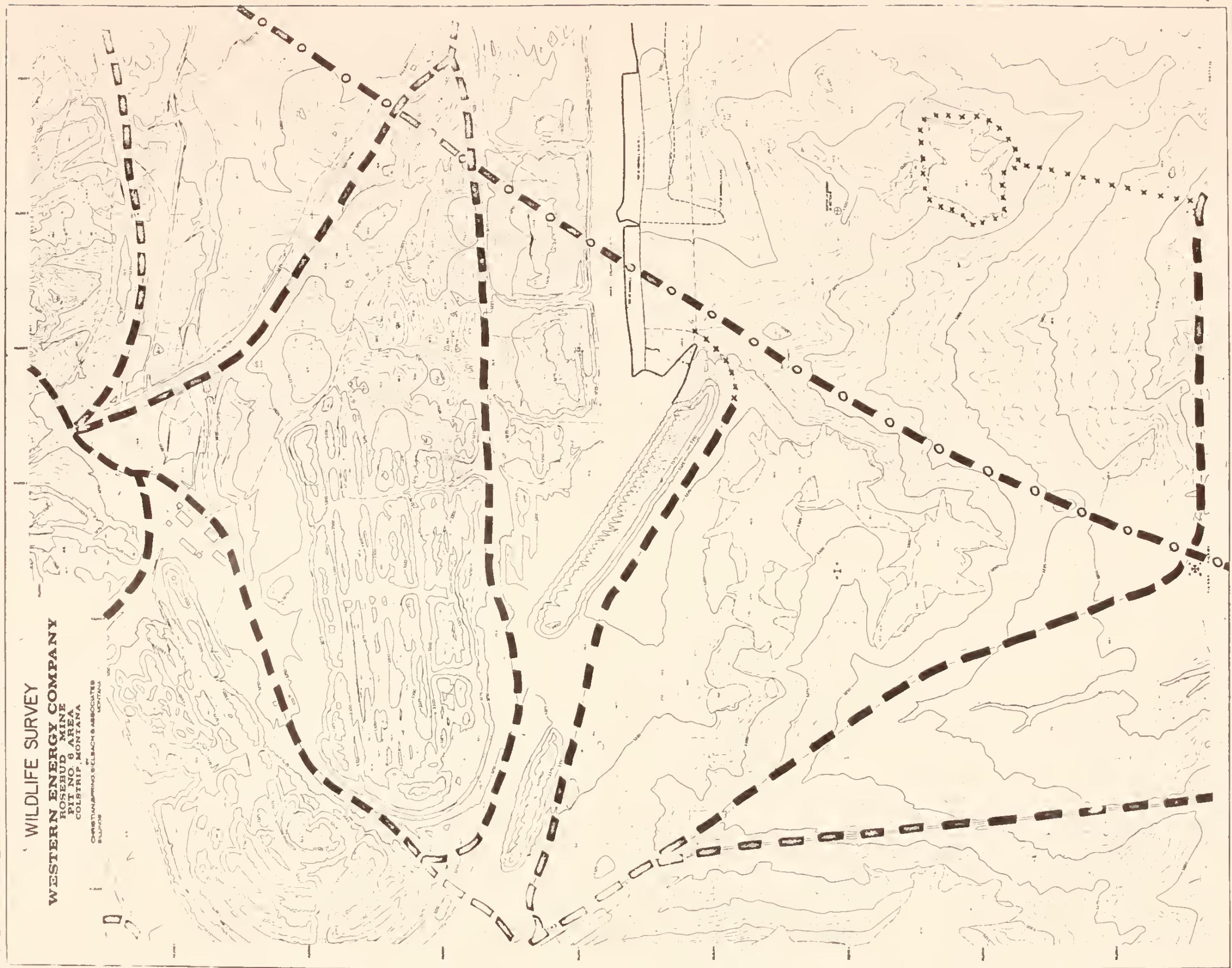
VEGETATIVE SURVEY

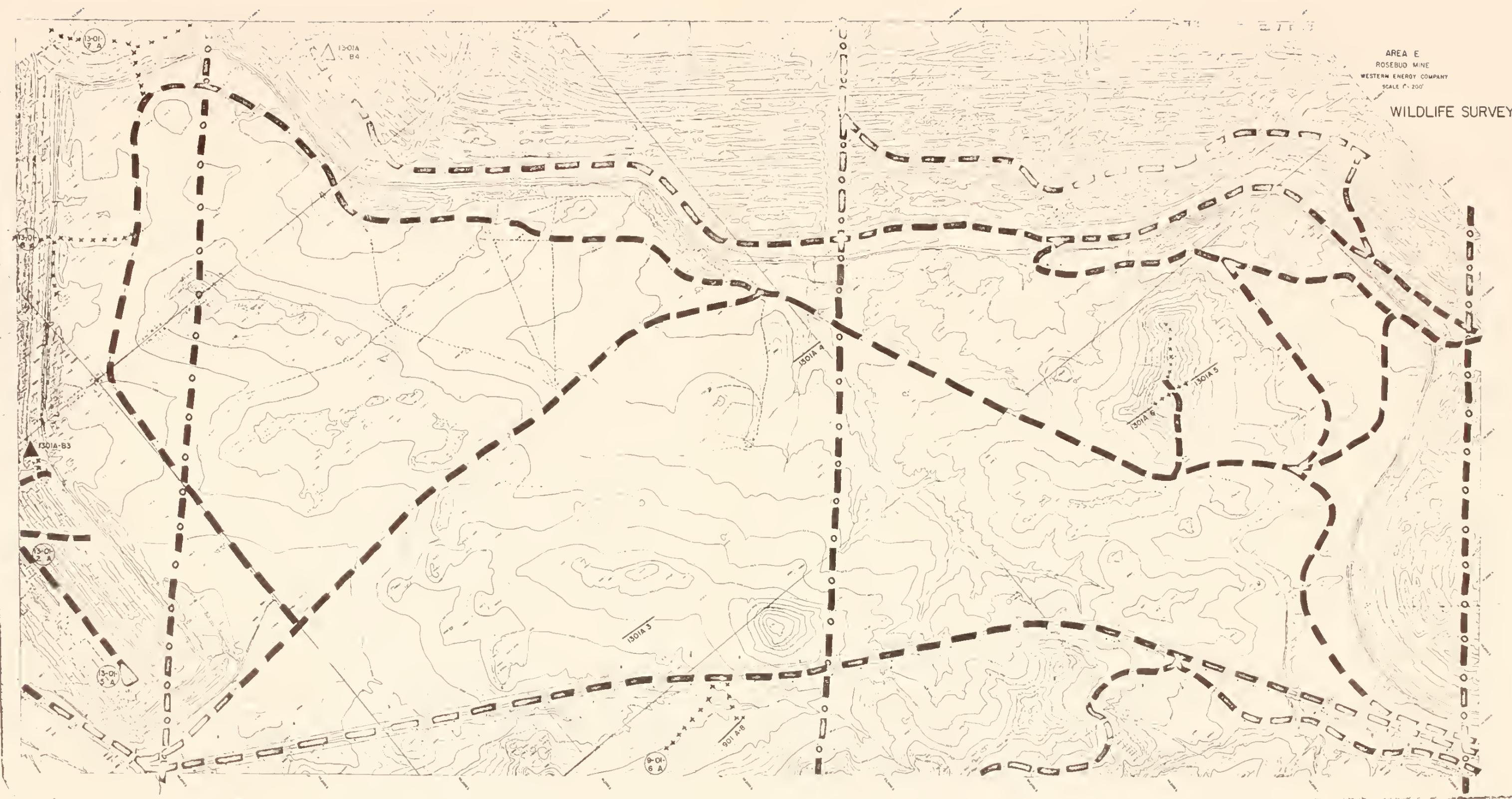


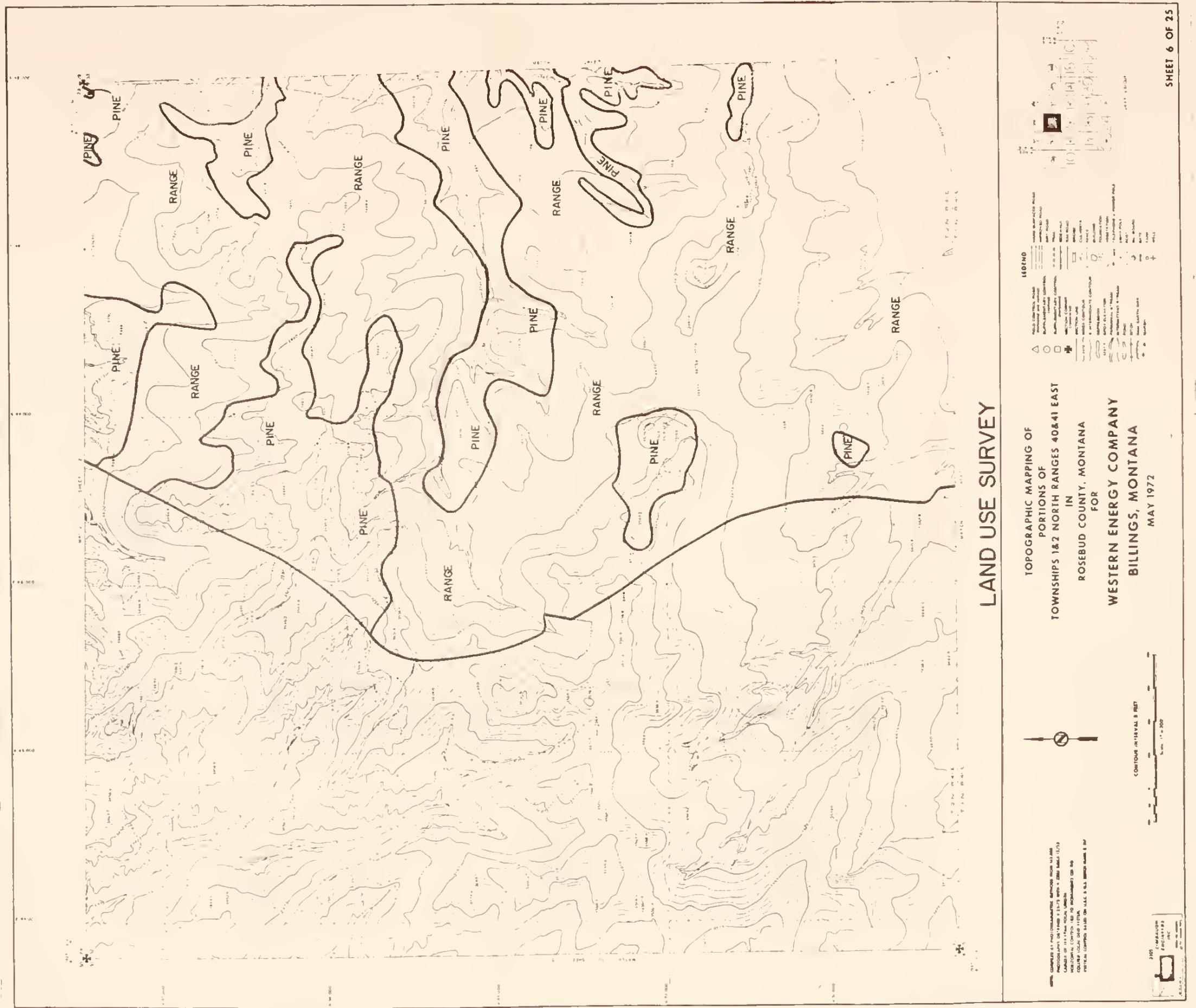


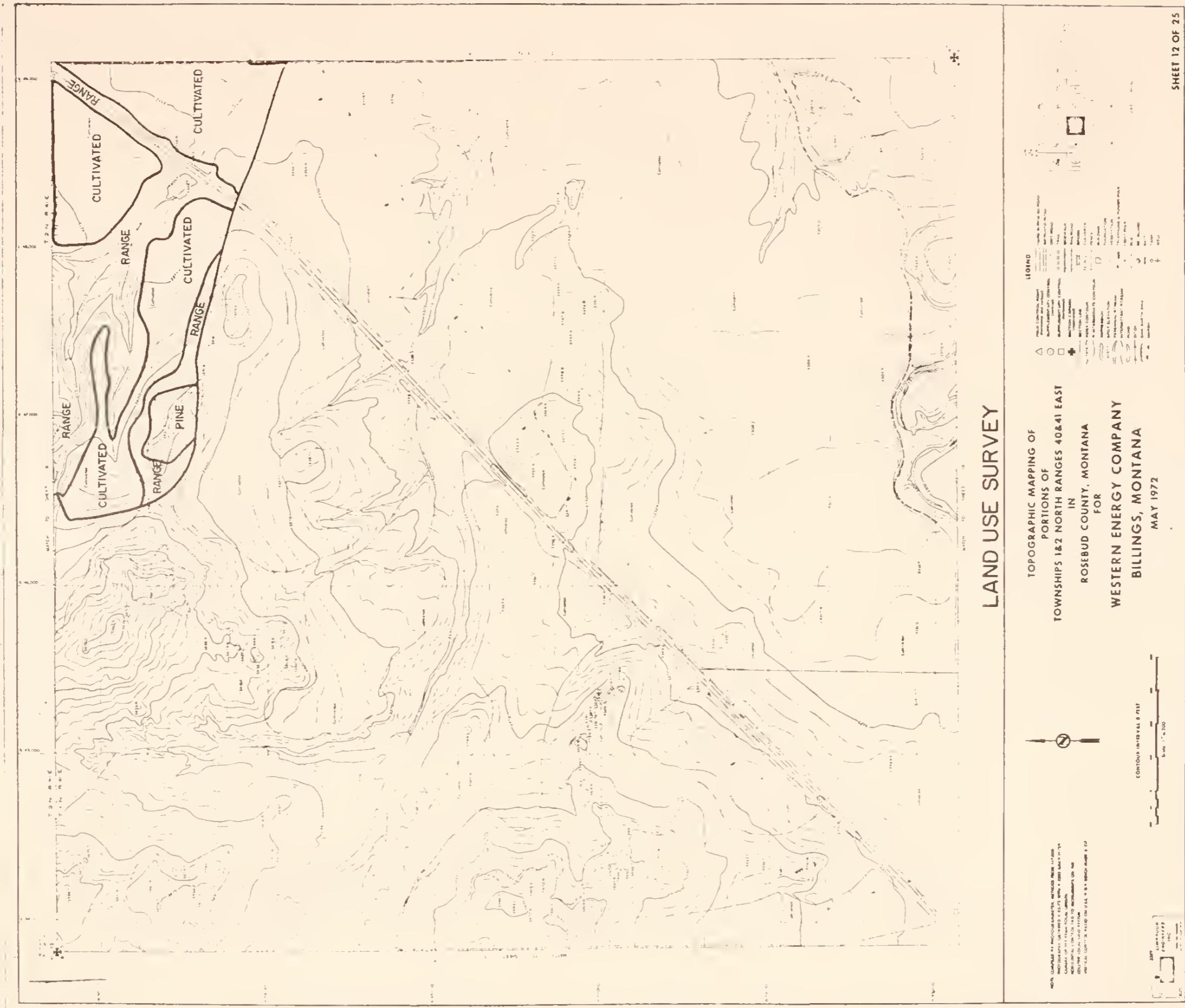
WILDLIFE SURVEY
WESTERN ENERGY COMPANY
ROSEBUD MINE
PIT NO. 6 AREA
COLstrip, MONTANA

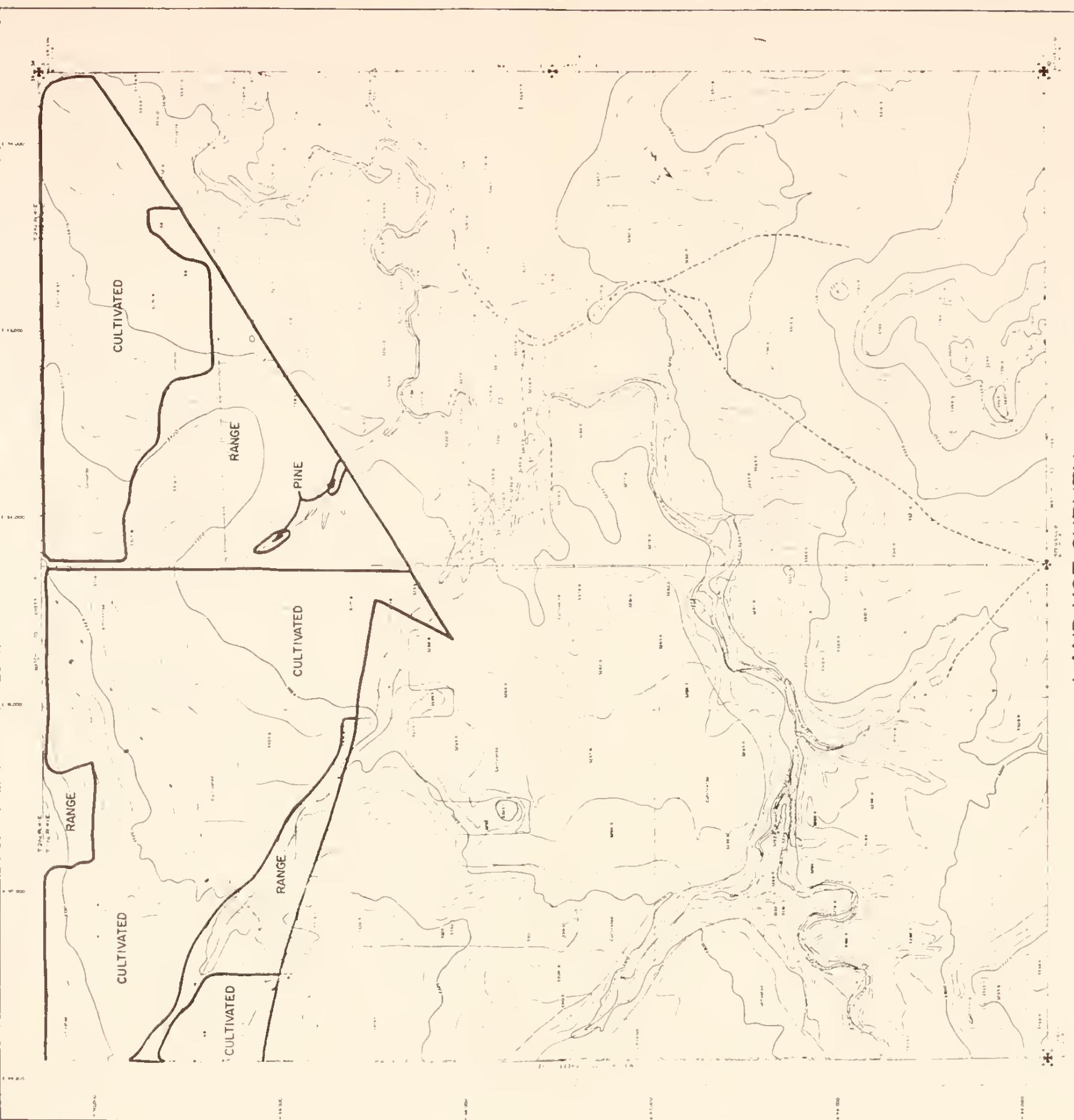
CHRISTIAN, MCKEEBACH & ASSOCIATES
BILLINGS











LAND USE SURVEY

TOPOGRAPHIC MAPPING OF
PORTIONS OF
TOWNSHIPS 14 & 2 NORTH RANGES 40 & 41 EAST
IN
ROSEBUD COUNTY, MONTANA
FOR
WESTERN ENERGY COMPANY
BILLINGS, MONTANA
MAY 1972

WESTERN ENERGY COMPANY
ROSEBUD MINE
PIT NO. 6 AREA
COLSTRIP, MONTANA
COSTANZI, SPERLING & LEECH & ASSOCIATES
CARTOGRAFERS



AREA E
ROSEBUD MINE
WESTERN ENERGY COMPANY
SCALE 1:200

LAND USE SURVEY

